

REMARKS

35 U.S.C. § 112 Rejections

The Examiner has rejected claims 1-4, 6-13, 15,16, 18-21 and 23-26 under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. The Examiner states that the claims contain subject matter which does not describe in the specification in such a way as to reasonably convey to one skilled in the relevant arts that the inventor, at the time the application was filed, had possession of the claimed invention.

The Examiner states that there appears to be no written description of Figure 5 and the numerals therein.

On page 6 of the specification, paragraph [0021], the specification states "As illustrated in Figure 5, for one embodiment of the present invention, the bottom heat spreader may have recessed areas 502 and 504 having different depths to thermally couple with electronic components having different heights."

Therefore, there is clearly a written description of Figure 5 in the numerals therein.

The Examiner also states that the different depths of the recesses of claim 1 are not seen nor described.

As previously discussed, paragraph [0021] of the specification includes a description of the different depth recesses of claim 1. Furthermore, as illustrated on Figure 5, the depth recesses are clearly of different sizes and depths.

Therefore, the different depth recesses of claim 1 are both seen and described in specification as filed.

The Examiner also states that the claim 19 coupling member being 17% of the length of the heat dissipating device does not appear to have been discussed or shown in the original description or claims.

Claim 19 has been amended to include the coupling member being between 17 and 50 percent of the length of the heat dissipating device. Specifically, claim 19 includes the limitation "the thermally conductive coupling member having a length between 17 and 50 percent of a length of one of the heat dissipating devices."

As described on page 9 of the specification, paragraph [0031], and illustrated on Figure 3, "the length X1 of the top and bottom heat spreaders may be between 100 and 140 mm, while the length X2 of the coupling member 350 may be between 25 and 50 mm." Using the given dimensions for one embodiment of the present invention, one could use top and bottom heat spreaders with a length X1 of 140 mm and a coupling member with a length X2 of 25 mm. If such dimensions are used, the ratio of the length of the coupling member to the length of the top and bottom heat spreaders is $25/140$, or just over 17%. In another embodiment described, one could use top and bottom heat spreaders with a length X1 of 100 mm and a coupling member with a length X2 of 50 mm. If such dimensions are used, the ratio of the length of the coupling member to the length of the top and bottom heat spreaders is $50/100$, or 50%. One skilled in the art would understand and appreciate that any

25/140 is roughly 17% and 50/100 is 50% and that any ratios in between could be used.

Therefore, the claim 19 coupling member being between 17 and 50 percent of the length of the heat dissipating device is clearly discussed and shown in the original description and claims.

Applicant, accordingly, respectfully requests withdrawal of the rejections of claims 1-4, 6-13, 15, 16, 18-21, and 23-26 under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirements.

35 U.S.C. § 102 Rejections

The Examiner has rejected claims 31-33 under 35 U.S.C. § 102(e) as being anticipated by Lofland.

Claims 31-33 have been cancelled.

Applicant, accordingly, respectfully requests withdrawal of the rejections of claims 31-33 under 35 U.S.C. § 102(e) as being anticipated by Lofland.

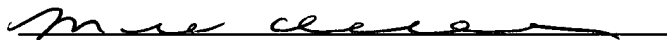
Applicant respectfully submits that the present application is in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call Michael A. Bernadicou at (408) 720-8300.

Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.

Respectfully submitted,

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